Signature (colored)

Adenylation Domain

Signature extraction

3d alignment
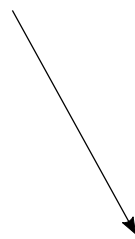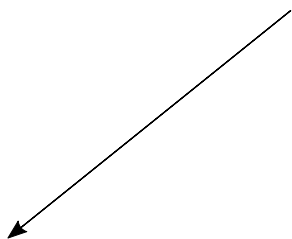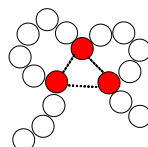
f_1 f_2 .... f_{14} f_{15}

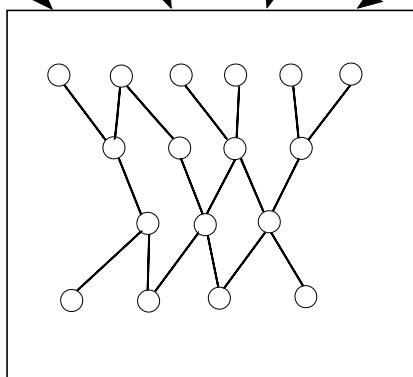a_1 a_2 .... a_{34}

Physiochemical Properties
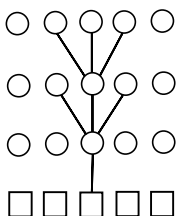
3D Properties

Distance/Angular features

x y z

a_1 a_2 .... a_{34}

3D structural features
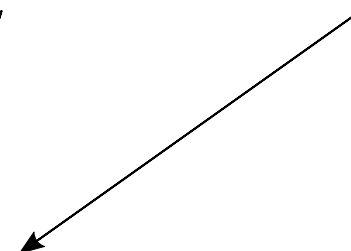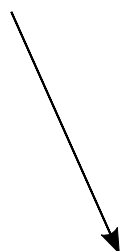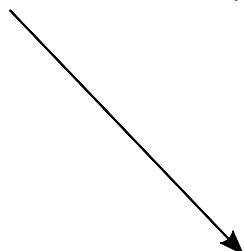
Learning Adenylation Domain Specificity